

WHAT IS CLAIMED IS:

1. A fan cylinder for a cooling tower, the fan cylinder being fixed to an upper side of the cooling tower and mounting  
5 a cooling fan therein, comprising:

a linear portion having a constant inner diameter, and mounted therein with the cooling fan;

10 an inlet portion connected at an upper end thereof to a lower end of the linear portion, and having an inner diameter increasing downwardly;

an extension portion connected at a lower end thereof to an upper end of the linear portion, and having an inner diameter increasing upwardly; and

15 an outlet portion connected to an upper end of the extension portion, and having an inner diameter decreasing upwardly.